


 Substitute Form PTO-1449
 (Modified)

 U.S. Department of Commerce
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 Attorney's Docket No.
 07148-108002

 Application No.
 10/758,524

**Information Disclosure Statement
 by Applicant**

(Use several sheets if necessary)

 Applicant
 Jan G. Jaworski et al.

 Filing Date
 January 15, 2004

 Group Art Unit
 1638

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
CMK	AA	6,051,756	04/18/00	Chen et al.			
CMK	AB	6,124,524	09/26/00	James, Jr. et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
CMK	AC	WO 95/15387	06/08/95	PCT				
↓	AD	WO 96/13582	05/09/96	PCT				
↓	AE	WO 98/46766	10/22/98	PCT				
↓	AF	WO 98/54954	12/10/98	PCT				
CMK	AG	WO 01/29238	04/26/01	PCT			Abstr.	

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
CMK	AH	GenBank Accession No. U29142
↓	AI	GenBank Accession No. U50771
↓	AJ	GenBank Accession No. AF009563
↓	AK	GenBank Accession No. AAA70154
↓	AL	GenBank Accession No. AAA96054
↓	AM	GenBank Accession No. AAB72178
↓	AN	GenBank Accession No. AAD22309
↓	AO	GenBank Accession No. CAA71898
↓	AP	GenBank Accession No. CAB36702
↓	AQ	"1999 Biochemistry and Molecular Biology of Plant Fatty Acids and Glycerolipids Symposium," National Plant Lipid Cooperative, June 9-13, 1999, South Lake Tahoe, California, P12, <i>Blacklock et al.</i>
↓	AR	Barret et al., "A rapeseed <i>FAEI</i> gene is linked to the E1 locus associated with variation in the content of erucic acid," <i>Theor. Appl. Genet.</i> , 1998, 96:177-186
↓	AS	Broun et al., <i>Science</i> , 1998, 282:131-133
CMK	AT	Clemens and Kunst, "Isolation of a <i>Brassica napus</i> cDNA (Accession No. AF009563) Encoding 3-Ketoacyl-CoA Synthase, a Condensing Enzyme Involved in the Biosynthesis of Very Long Chain Fatty Acids in Seeds," <i>Plant Physiol.</i> , 1997, 115:313-314

Examiner Signature

/Chih Min Kam/

Date Considered

09/16/2006

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CMK	AU	Domergue et al., "Purification of the Acyl-CoA Elongase Complex from Developing Rapeseed and Characterization of the 3-Ketoacyl-CoA Synthase and the 3-Hydroxyacyl-CoA Dehydratase," <u>Lipids</u> , 2000, 35(5):487-494
	AV	Fiebig et al., "Alterations in <i>CER6</i> , a Gene Identical to <i>CUT1</i> , Differentially Affect Long-Chain Lipid Content on the Surface of Pollen and Stems," <u>Plant Cell</u> , 2000, 12:2001-2008
	AW	Fourmann et al., "The two genes homologous to <i>Arabidopsis FAE1</i> co-segregate with the two loci governing erucic acid content in <i>Brassica napus</i> ," <u>Theor. Appl. Genet.</u> , 1998, 96:852-858
	AX	Ghanevati and Jaworski, "Active-site residues of a plant membrane-bound fatty acid elongase β -ketoacyl-CoA synthase, FAE1 KCS," <u>Biochim. Biophys. Acta</u> , 2001, 1530:77-85
	AY	Ghanevati, "Engineering and Mechanistic Studies of Fatty Acid Elongase1 β -Ketoacyl-CoA Synthase, FAE1 KCS," A Dissertation, submitted to the Faculty of Miami University, Oxford, Ohio, 2000
	AZ	Han, " β -Ketoacyl-CoA Synthase Gene from <i>Brassica napus</i> L.: Functional Characterization and Promoter Analysis," A Dissertation, submitted to the University of Hamburg, Hamburg, 1999
	AAA	Han et al., "Functional characterization of β -ketoacyl-CoA synthase genes from <i>Brassica napus</i> L.," <u>Plant Mol. Biol.</u> , 2001, 46:229-239
	ABB	James, Jr., et al., "Directed Tagging of the <i>Arabidopsis FATTY ACID ELONGATION1 (FAE1)</i> Gene with the Maize Transposon Activator," <u>Plant Cell</u> , 1995, 7:309-319
	ACC	Kunst et al., "Fatty acid elongation in developing seeds of <i>Arabidopsis thaliana</i> ," <u>Plant Physiol. Biochem.</u> , 1992, 30(4):425-434
	ADD	Lassner et al., "A Jojoba β -Ketoacyl-CoA Synthase cDNA Complements the Canola Fatty Acid Elongation Mutation in Transgenic Plants," <u>Plant Cell</u> , 1996, 8:281-292
	AEE	Millar and Kunst, "Very-long-chain fatty acid biosynthesis is controlled through the expression and specificity of the condensing enzyme," <u>Plant J.</u> , 1997, 12(1):121-131
	AFF	Millar et al., "Accumulation of Very-Long-Chain Fatty Acids in Membrane Glycerolipids Is Associated with Dramatic Alterations in Plant Morphology," <u>Plant Cell</u> , 1998, 11:1889-1902
	AGG	Millar and Kunst, "The natural genetic variation of the fatty-acyl composition of seed oils in different ecotypes of <i>Arabidopsis thaliana</i> ," <u>Phytochemistry</u> , 1999, 52:1029-1033
	AHH	Millar et al., " <i>CUT1</i> , an <i>Arabidopsis</i> Gene Required for Cuticular Wax Biosynthesis and Pollen Fertility, Encodes a Very-Long-Chain Fatty Acid Condensing Enzyme" <u>Plant Cell</u> , 1999, 11:825-838
	AII	Post-Beittenmiller, "Biochemistry and Molecular Biology of Wax Production in Plants," <u>Annu. Rev. Plant Physiol. Plant Mol. Biol.</u> , 1996, 47:405-430
	AJJ	Pruitt et al., "FIDDLEHEAD, a gene required to suppress epidermal cell interactions in <i>Arabidopsis</i> , encodes a putative lipid biosynthetic enzyme," <u>Proc. Natl. Acad. Sci. USA</u> , 2000, 97(3):1311-1316
	AKK	Roscoe et al., "Mutations in the fatty acid elongation 1 gene are associated with a loss of β -ketoacyl-CoA synthase activity in low erucic acid rapeseed," <u>FEBS Letters</u> , 2001, 492:107-111
	ALL	Tillman and Bell, <u>J. Biol. Chem.</u> , 1986, 261:9144-9149
	AMM	Todd et al., "KCS1 encodes a fatty acid elongase 3-ketoacyl-CoA synthase affecting wax biosynthesis in <i>Arabidopsis thaliana</i> ," <u>Plant J.</u> , 1999, 17(2):119-130
CMK	ANN	Van de Loo et al., "An oleate 12-hydroxylase from <i>Ricinus communis</i> L. is a fatty acyl desaturase homolog," <u>Proc. Natl. Acad. Sci. USA</u> , 1995, 96:6743-6747

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CMK	AOO	Venkateswari et al., "Molecular Cloning and Characterization of <i>FATTY ACID ELONGATION I (BjFAEI)</i> Gene of <i>Brassica juncea</i> ," <i>J. Plant Biochem. Biotech.</i> , 1999, 8:53-55
CMK	APP	Yephremov et al., "Characterization of the FIDDLEHEAD Gene of Arabidopsis Reveals a Link between Adhesion Response and Cell Differentiation in the Epidermis," <i>Plant Cell</i> , 1999, 11:2187-2201

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